

Application No.: 10/638,392

Docket No.: 4425-311

Amendments to the Abstract:

Please replace the Abstract with the following new Abstract, as follows:

Application No.: 10/638,392**Docket No.: 4425-311****ABSTRACT**

A method, system and computer-readable medium for operating a robot in an automatic material handling system (AMHS) are disclosed. The method includes indicating a token to a first port for pre-setting a first corresponding job item of the first port to be processed, processing a second job item with the robot while the second job item locates in a different section to the first job item but in a same section to the robot and of waiting for being processed to a same section to the first job item, processing the first job item with the robot, and moving the token off from the first port.